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(54) Title: MULTILAYERED MICROCULTURES

(57) Abstract: A multilayer microculture capable of modeling complex *in vivo* structures such as mammalian tissues and organ structures is provided, along with methods for producing such a microculture and methods of using such microcultures for assaying for modulators of cell-cell interaction, cell migration, cell proliferation, cell adhesion or cellular or organismal physiology. Further provided are methods of identifying hazardous materials such as environmental toxins and pollutants (e.g., carcinogenic compounds), and methods of monitoring organismal physiology.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/36958

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 5/00
US CL : 435/395, 401, 402, 325

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/395, 401, 402, 325

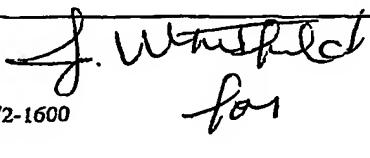
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | US 5,858,747 A (SCHINSTINE et al) 12 January 1999 (12.01.1999), see entire document. | 1-25 |
| A | US 3,883,398 A (ONO) 13 May 1975 (13.05.1975), see entire document. | 1-25 |

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